

FOOT" 254660

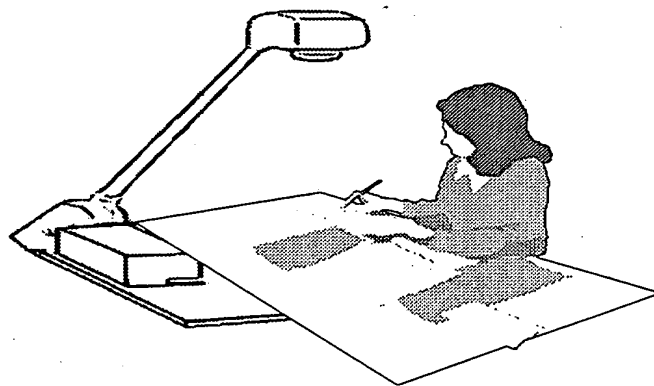


FIG. 1 PRIOR ART

09994792 142804  
T092T 2646660

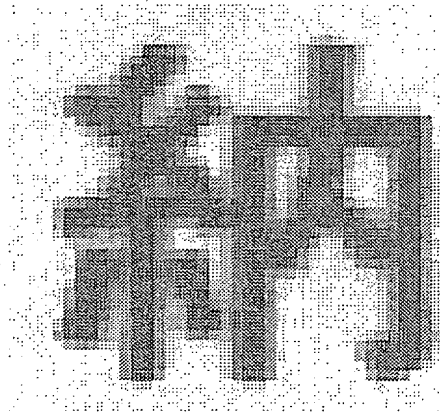


FIG. 2 PRIOR ART

00004792-112001

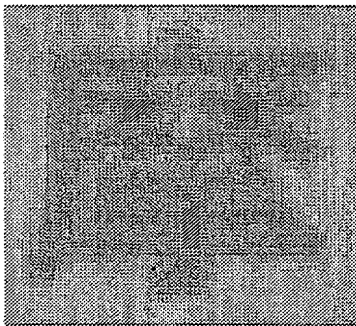


FIG. 3 PRIOR ART

FOOT" 264H6660



FIG. 4 PRIOR ART

09954792 "4.12804  
FOOT 2646660

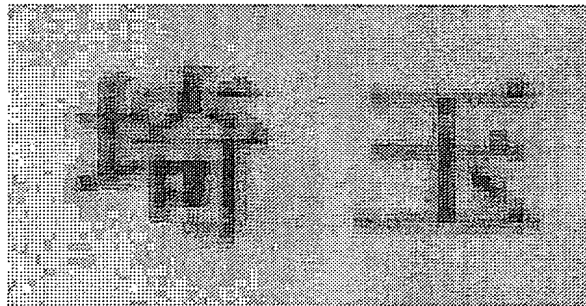


FIG. 5 PRIOR ART

00004792 112004  
T002T 264660



FIG. 6 PRIOR ART

FOOT 254660

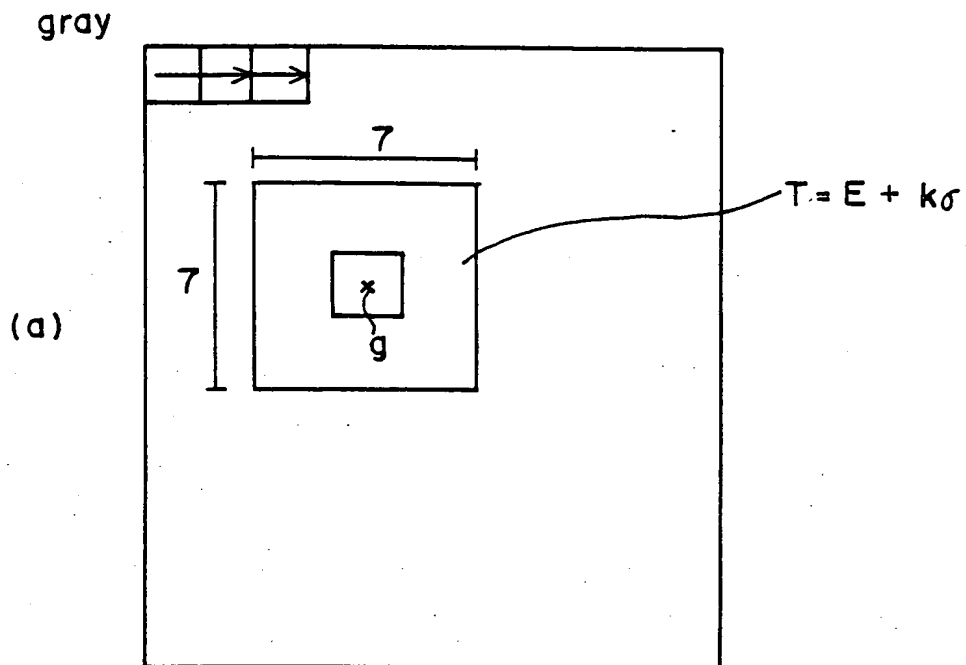


FIG. 7A PRIOR ART

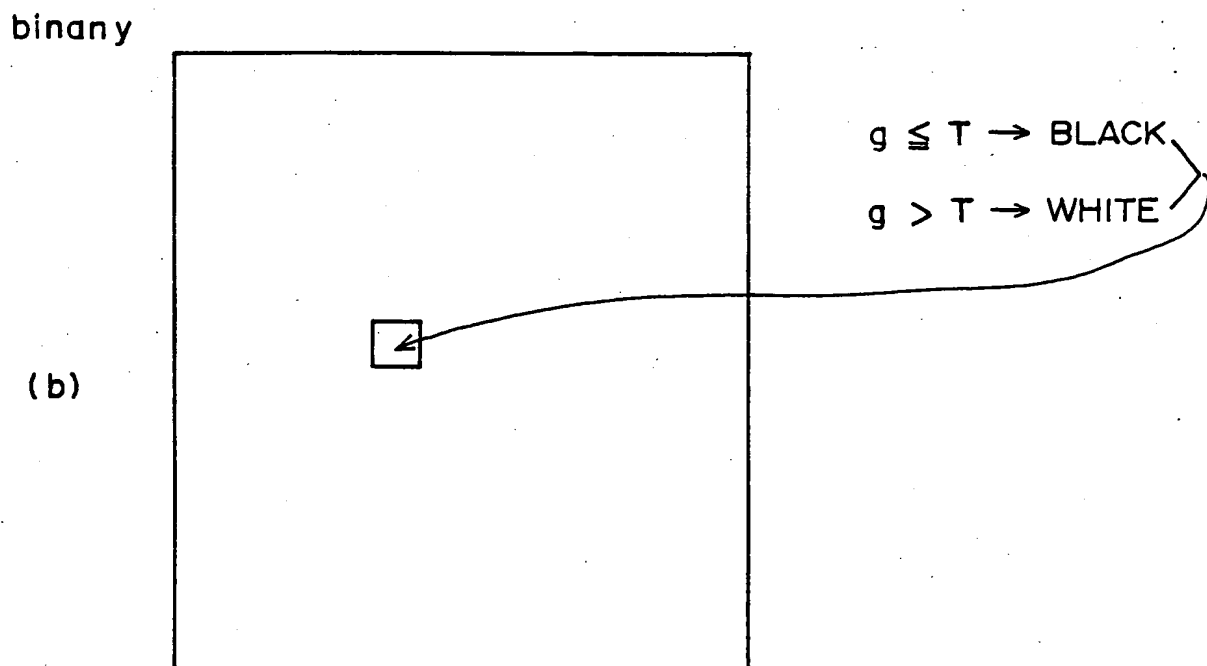


FIG. 7B PRIOR ART

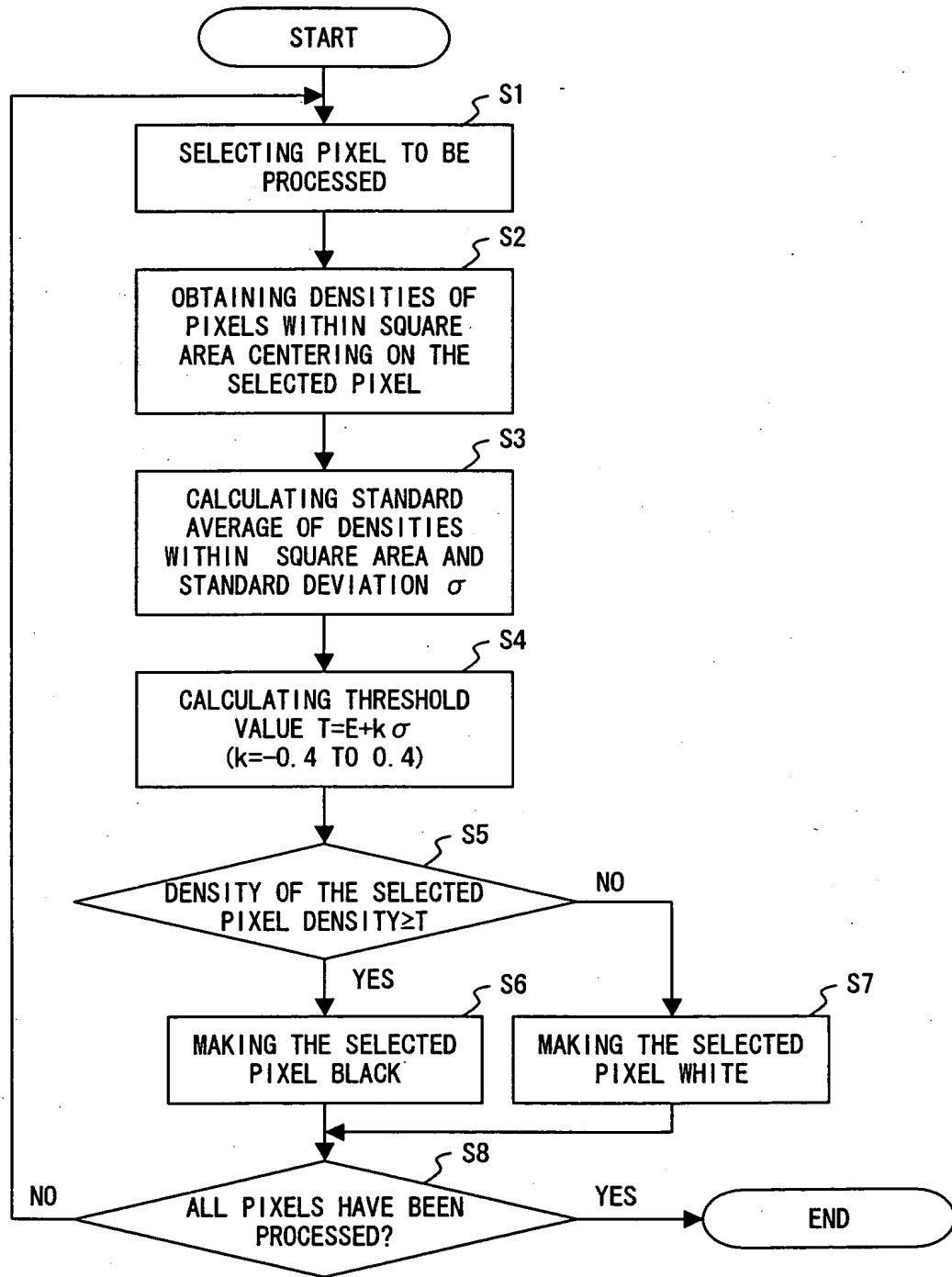


FIG. 8 PRIOR ART



0554792 4204  
TOP SECRET 264660

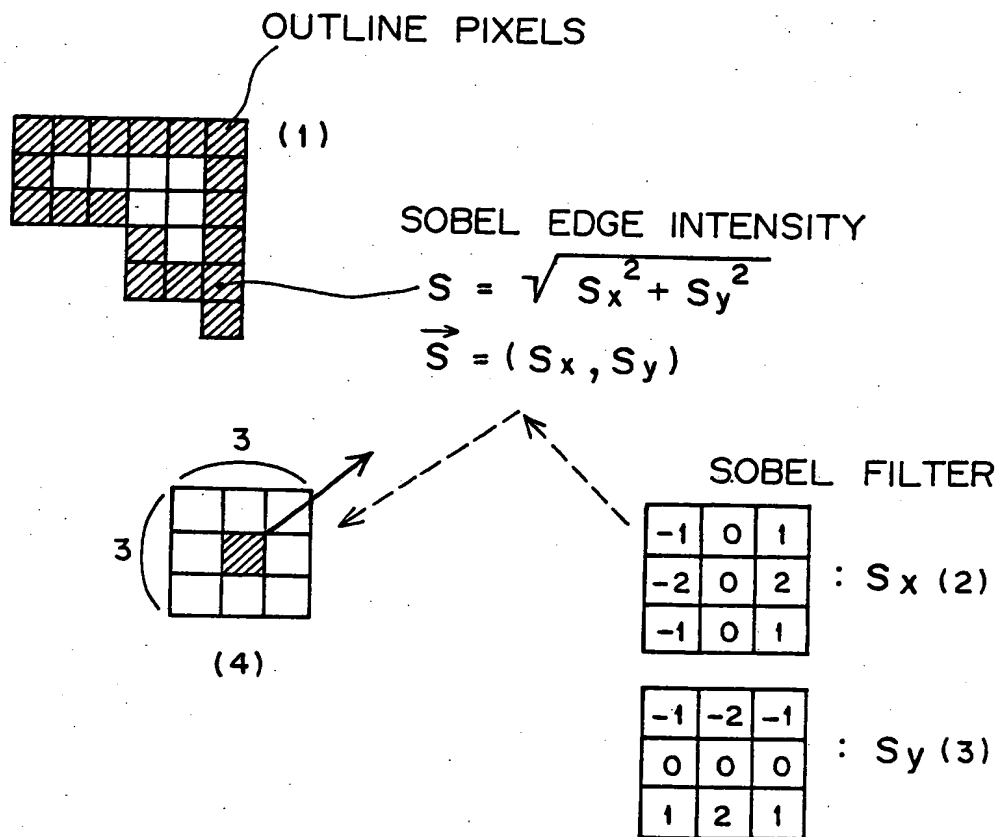


FIG. 9 PRIOR ART

0904792-42804

琦玉

FIG. 10 PRIOR ART

FOOT" 254H660

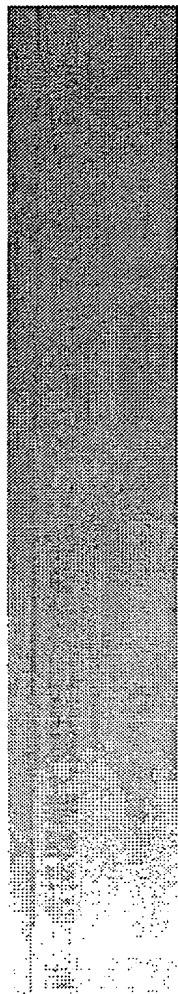


FIG. 11 PRIOR ART

[illegible]

紙は直接製成で処理し、すゝめて落したひ曲がりにくいので下で

FIG. 12 PRIOR ART

POST 2547660

紙は直接領域で処理し、その

FIG. 13 PRIOR ART

FOOT" 2646660

紙は直接機械で処理しますので折れたり曲げたりしないで下さい。

FIG. 14 PRIOR ART

0904792 42004

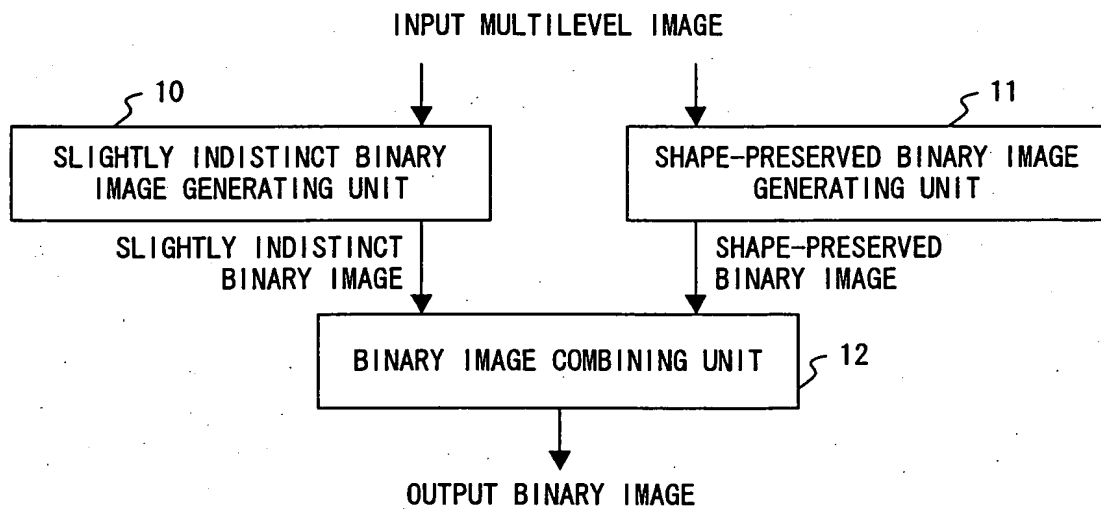


FIG. 15

FOOT" 264h660

紐は直接機械で処理し易く、汚した、曲はえりしない、で下さい。

FIG. 16



FOOT" 2646550

紙は直接機械で処理しますので汚したり曲げたりしないで下さい。

FIG. 17

FOOT" 26416650

紙は直接機械で処理しますので汚したりしたいで下さい。

FIG. 18

0904752-42004

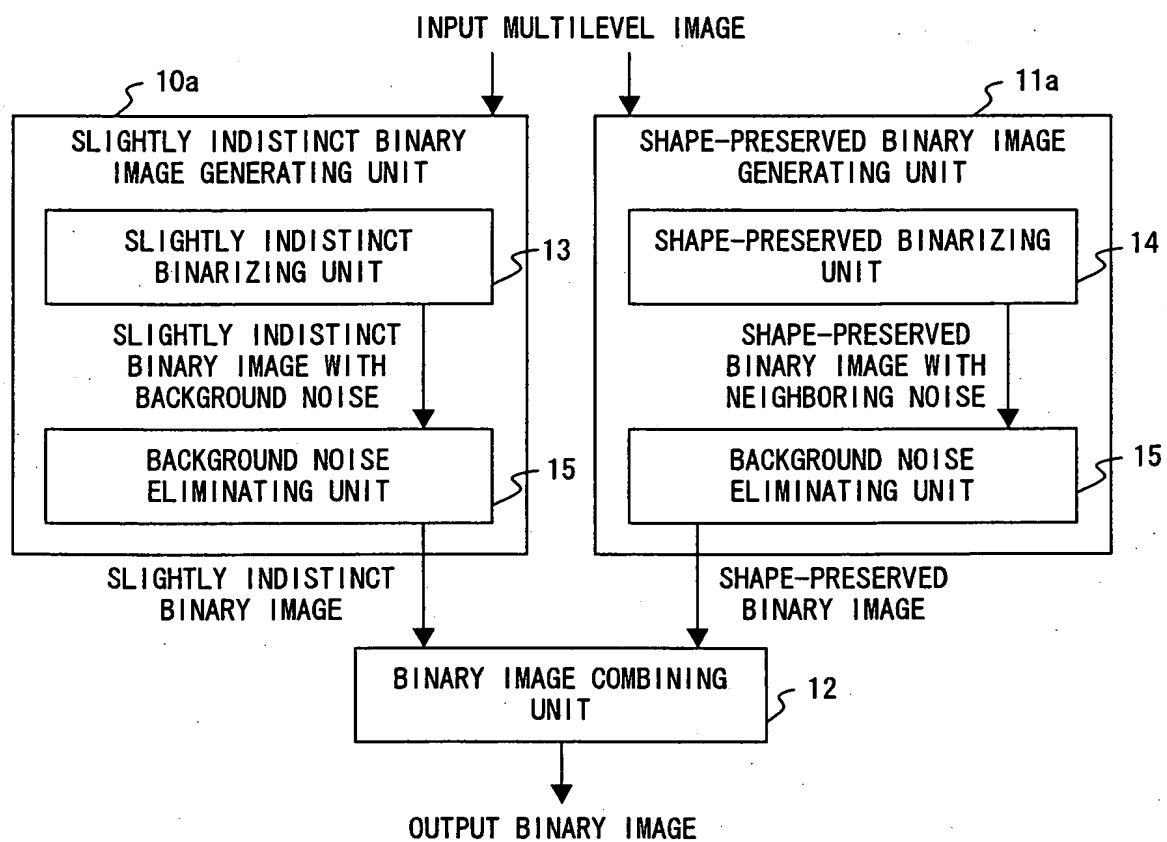


FIG. 19

FOOT" 2646660

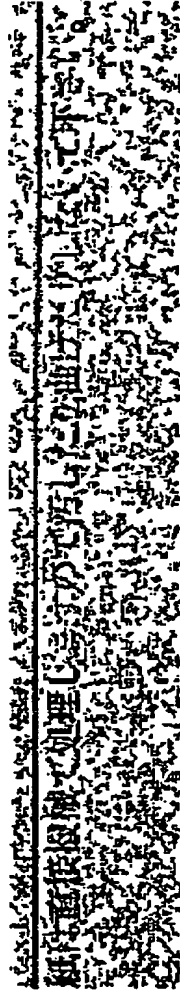


FIG. 20

FOOT" 2646660

細は直接図機で処理し為すので汚したり曲はえりしない。

FIG. 21

TEST 2545550

紙は直接機械で処理し、すのこを曲げたりしない、で下さる

FIG. 22

FOOT 2646660

紙は直接機械で処理しやすので汚したり曲げたりしないで下さい。

FIG. 23

FOOT" 264650

紙は直接機械で処理しやすので汚したり曲げたりしたくないで下さい。

FIG. 24



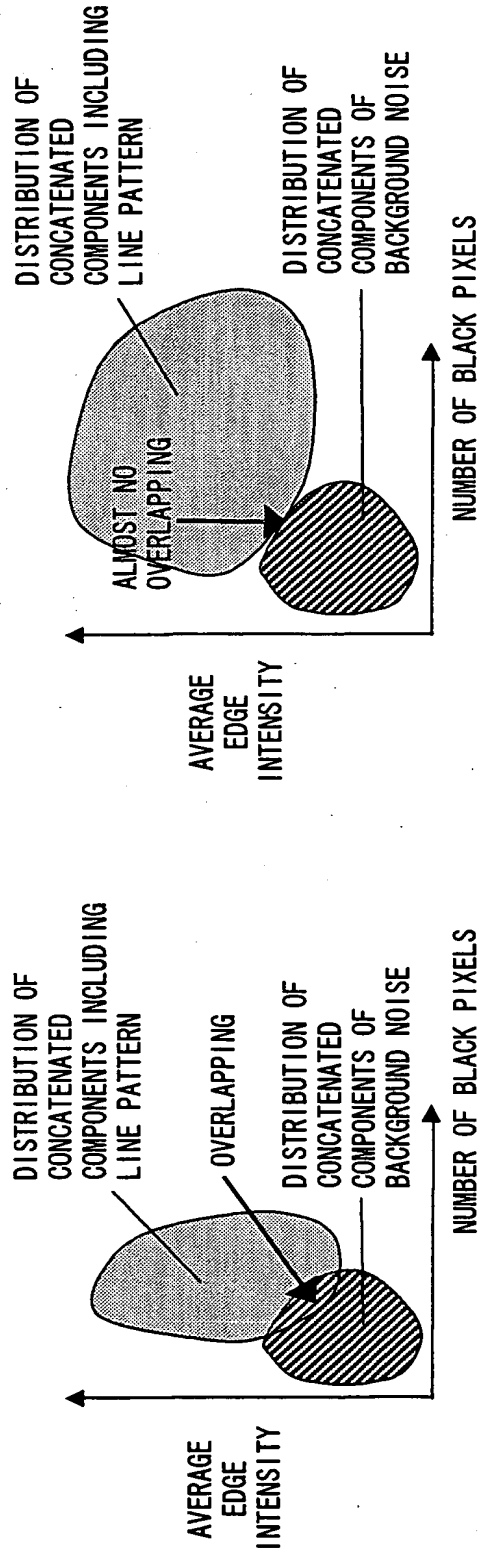


FIG. 25A

FIG. 25B

```

graph TD
    Input[INPUT MULTILEVEL IMAGE] --> J1(( ))
    J1 --> 10a[10a]
    J1 --> 11a[11a]
    
    subgraph 10a [10a]
        13[13  
SLIGHTLY INDISTINCT BINARIZING UNIT  
(Niblack: T=E+0.3σ)]
        15a[15  
BACKGROUND NOISE ELIMINATING UNIT  
(ELIMINATING AREA A OF FIG. 28 AMONG  
4-CONCATENATED COMPONENTS OF BLACK PIXELS)]
        13 --> 15a
    end
    
    subgraph 11a [11a]
        14[14  
SHAPE-PRESERVED BINARIZING UNIT  
(Niblack: T=E+0.1σ)]
        15b[15  
BACKGROUND NOISE ELIMINATING UNIT  
(ELIMINATING AREA B OF FIG. 31 AMONG  
4-CONCATENATED COMPONENTS OF BLACK PIXELS)]
        14 --> 15b
    end
    
    10a --> 12[12  
BINARY IMAGE COMBINING UNIT ("AND" OF BINARY IMAGES)]
    11a --> 12
    12 --> Output[OUTPUT BINARY IMAGE]
  
```

10a

SLIGHTLY INDISTINCT BINARY IMAGE GENERATING UNIT

SLIGHTLY INDISTINCT BINARIZING UNIT  
(Niblack:  $T=E+0.3\sigma$ )

SLIGHTLY INDISTINCT BINARY IMAGE WITH BACKGROUND NOISE

BACKGROUND NOISE ELIMINATING UNIT  
(ELIMINATING AREA A OF FIG. 28 AMONG 4-CONCATENATED COMPONENTS OF BLACK PIXELS)

SLIGHTLY INDISTINCT BINARY IMAGE

11a

SHAPE-PRESERVED BINARY IMAGE GENERATING UNIT

SHAPE-PRESERVED BINARIZING UNIT  
(Niblack:  $T=E+0.1\sigma$ )

SHAPE-PRESERVED BINARY IMAGE WITH NEIGHBORING NOISE

BACKGROUND NOISE ELIMINATING UNIT  
(ELIMINATING AREA B OF FIG. 31 AMONG 4-CONCATENATED COMPONENTS OF BLACK PIXELS)

SHAPE-PRESERVED BINARY IMAGE

12

BINARY IMAGE COMBINING UNIT ("AND" OF BINARY IMAGES)

OUTPUT BINARY IMAGE

FIG. 26

FOOT" 26476660

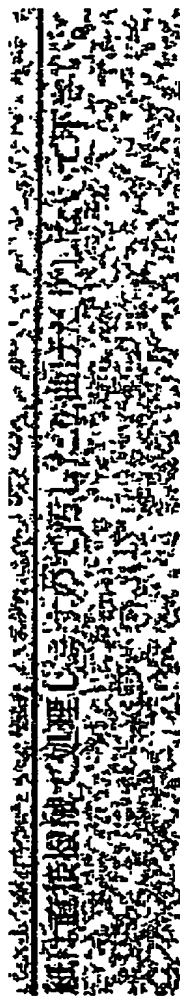


FIG. 27

CHARACTERISTIC DISTRIBUTION OF 4-CONCATENATED  
COMPONENTS ( $T=E+0.3\sigma$ )

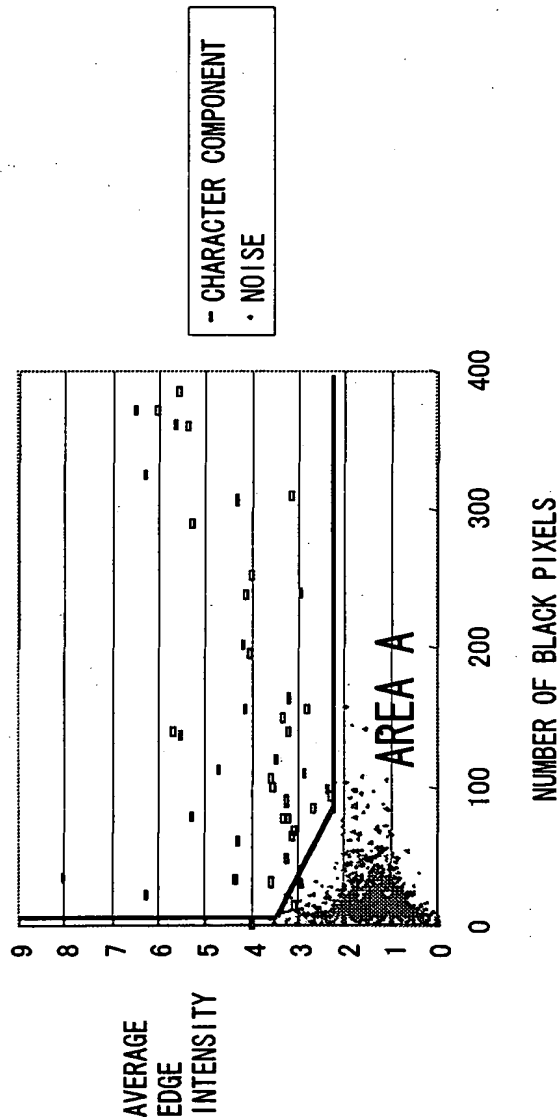


FIG. 28

FOOT" 2644666D

組は直接機械で処理し易く汚したり曲げたりしない。

FIG. 29

FOOT" 2646660

紙は直接機械で処理し、そのものを汚したり曲げたりしないで下さる。

FIG. 30

CHARACTERISTIC DISTRIBUTION OF 4-CONCATENATED  
COMPONENTS ( $T=E+0.1\sigma$ )

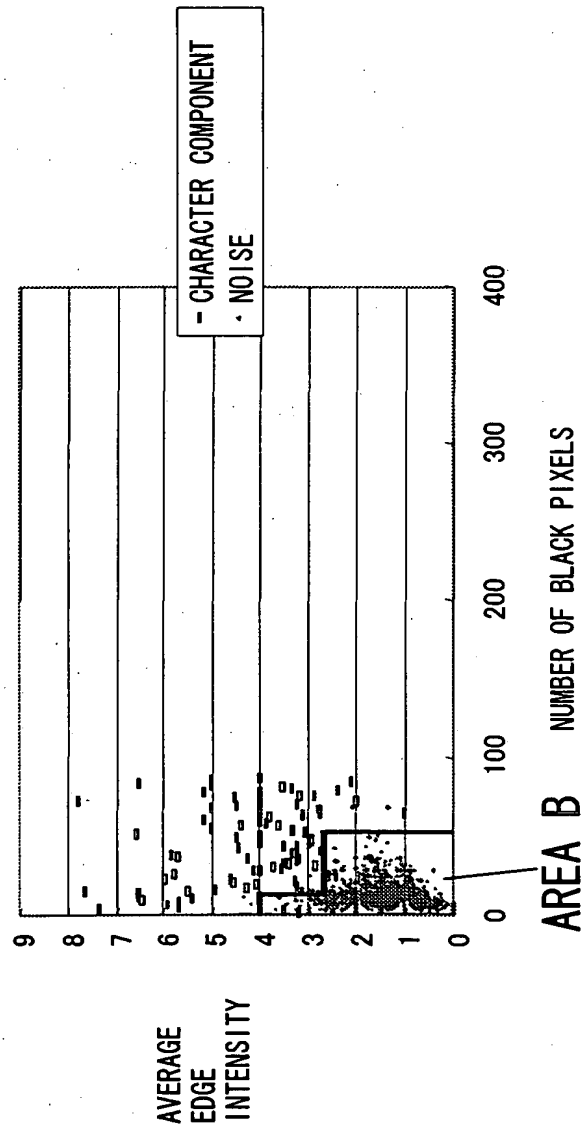


FIG. 31

FOOT" 26446660

紙は直接機械で処理しやすので汚したり通けたりしないので下さい。

FIG. 32



POST" 26446660

紙は直接機械で処理しやすいため折りたたみやすい。

FIG. 33

FIG. 34

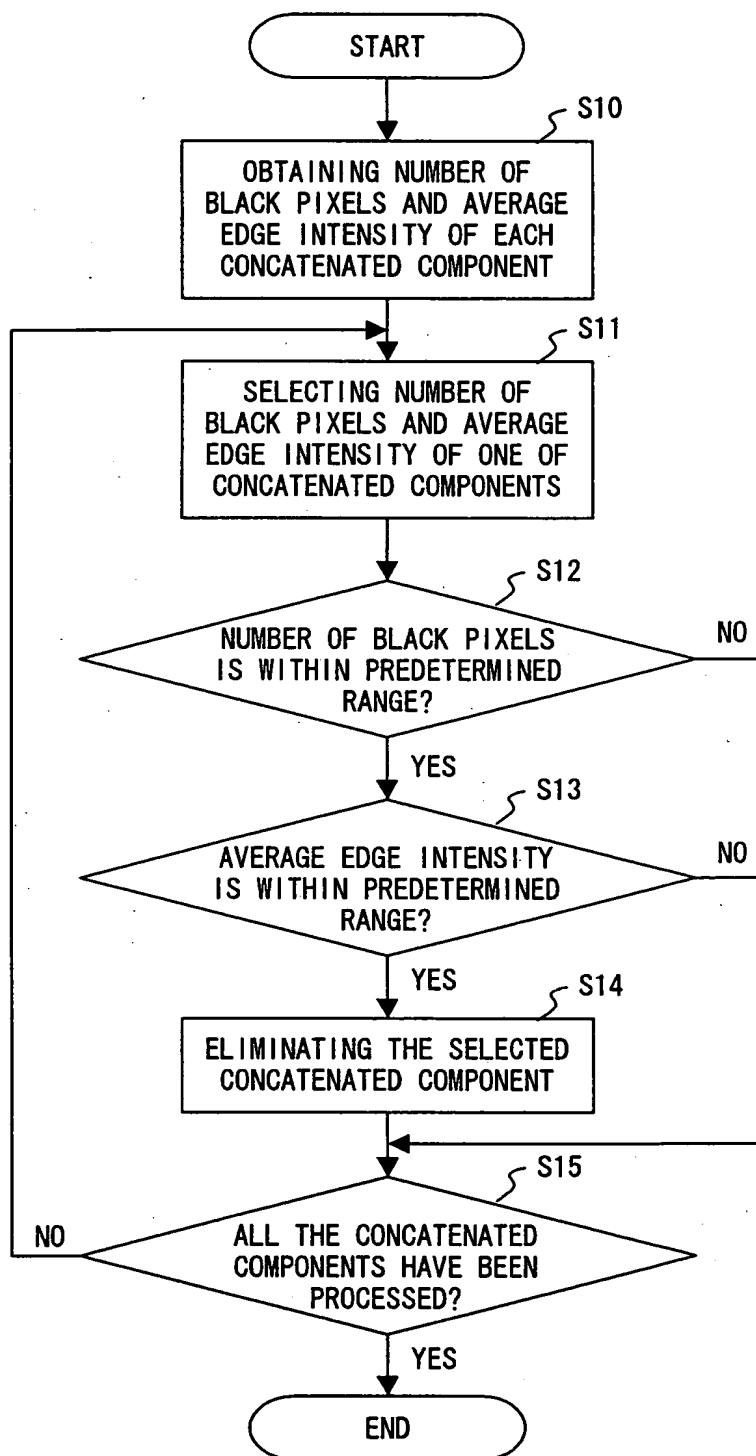


FIG. 34

FIG. 35

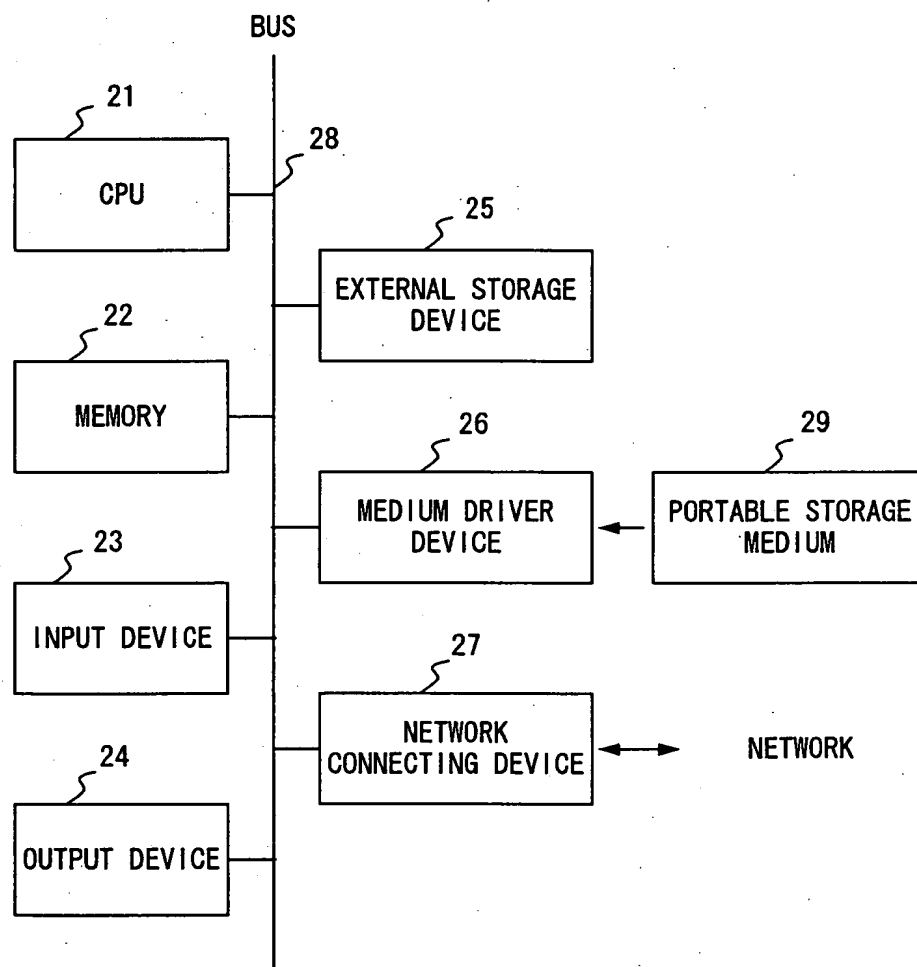


FIG. 35

FIG. 36

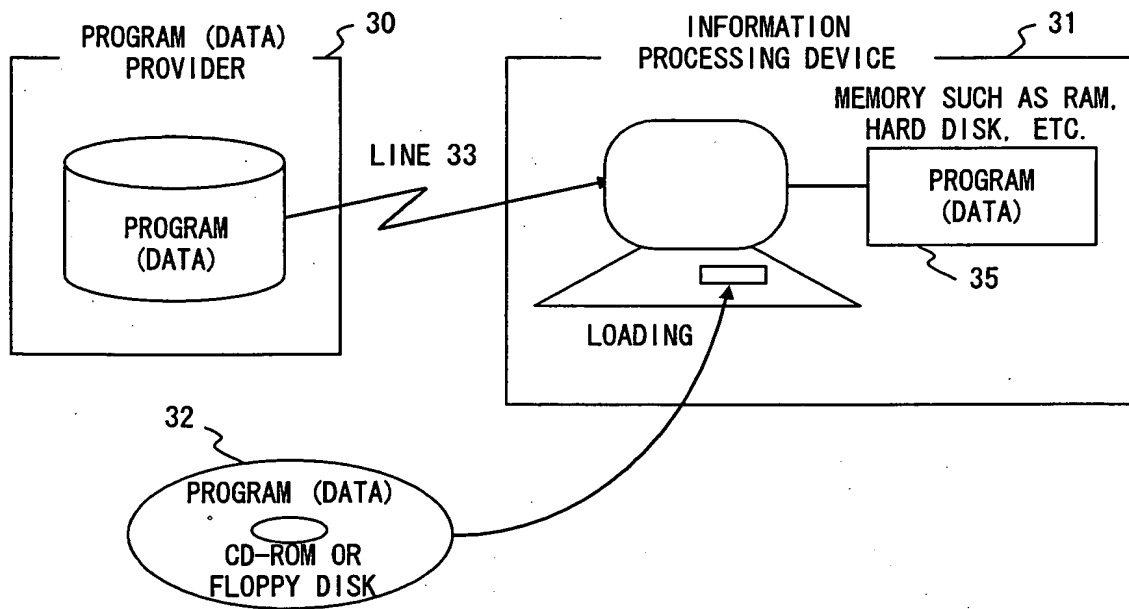


FIG. 36